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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Massie et al. CONFIRMATION NO.: 3150  
SERIAL NUMBER: 10/022,114 GROUP NUMBER: 2123  
FILING DATE: November 16, 2001 EXAMINER: Not assigned  
TITLE: Force Reflecting Haptic Interface

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**RESPONSE TO NOTICE TO FILE CORRECTED APPLICATION PAPERS**

This paper is submitted in response to the Notice to file Corrected Application Papers mailed from the United States Patent Office on January 15, 2002. Prior to examination, please enter this Response and consider the accompanying remarks. Amend the application as follows, without prejudice.

**In the Specification:**

At page 47, line 19, please delete "Claims".

**In the Claims:**

Cancel claim 1 and add claim 63 to read as follows:

63. (New) An apparatus for physically exchanging a force with a user in a first, user-local environment, the apparatus comprising:
- a. a user connection element for physically connecting to a body member of the user;
  - and
  - b. means for physically linking the connection element to a ground, the linking means comprising:
    - i. means for powering at least three independent freedoms of said connection element relative to the ground; and
    - ii. means for maintaining at least one independent freedom of said connection element relative to the ground free of power.